407N

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DATA AS OF 2024 (in progress)
407N
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Atomic bomb. The bomb was developed by KB-11 / VNIIEF. Testing of the munition in 1959 was first carried out in two stages. Acceptance of products for testing was carried out in KB-11 by representatives of the Air Force and the 12th GUMO of the USSR Ministry of Defense. Tests were carried out at the 71st Air Force testing ground in Bagerovo in Crimea. The tests were successful.

Serial production began at the Instrument-Making Plant in Trekhgorny in 1960. Assembly of 407N products was carried out in small quantities and unevenly. Production ceased by the end of 1961 (source).

Full-scale tests with a bomb explosion at the testing ground were carried out in 1961.



Ballistic casing of the RDS-4 "Tatiana" bomb, model 1953 (one of two surviving ballistic casings of the bomb) - 407N bombs were assembled in such a casing. Monument in the town of Bor near Nizhny Novgorod, 2016 (photo - Dmitry Kashkanov)

Design - the 407N product used the ballistic body of the RDS-4 "Tatiana" aerial bomb (source).



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The RDS-4 atomic bomb of the 1953 design (one of two surviving ballistic bomb bodies) from a monument in the town of Bor near Nizhny Novgorod, 2016 (photo - Dmitry Kashkanov, source).

TTX of the 407N bomb :
Bomb diameter - 820 mm
Weight - 1200 kg (most sources, the full weight of the bomb)

Power - 8-12 kt (*according to documents from the Cuban Missile Crisis, source*)

Charge type - atomic charge developed by KB-11 / VNIIEF

Status : USSR

- 1962 October 18 - the nuclear arsenal of the group of Soviet forces on the island of Cuba included 6 units of 407N aviation bombs for Il-28 carrier aircraft (source).

Sources :

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